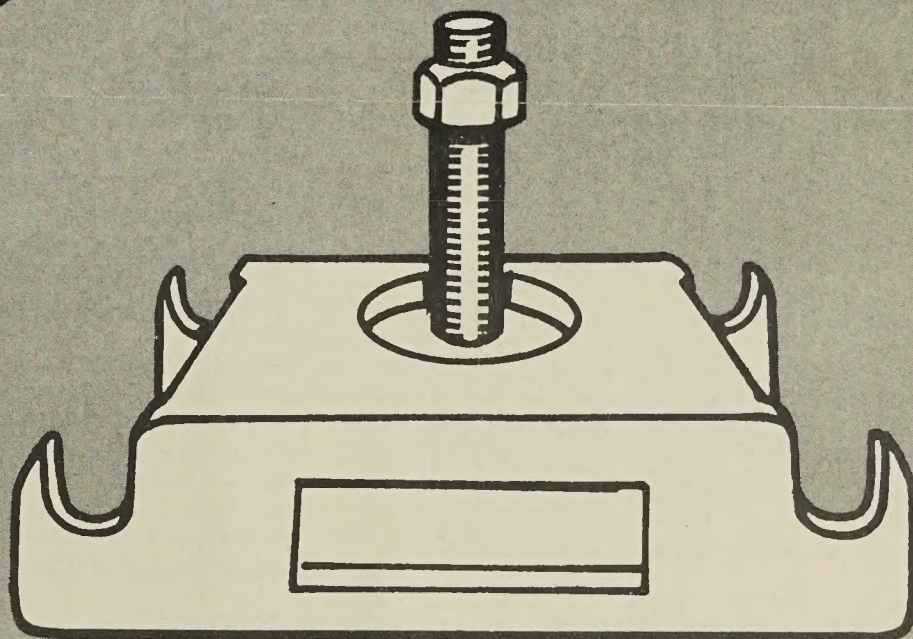


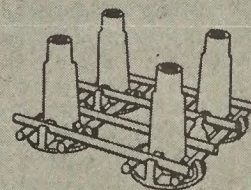


for anchoring machinery to concrete

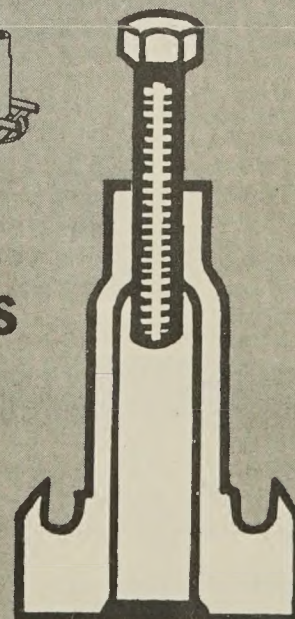
DECO[®] ANCHORS



DECO[®] THIN SLAB ANCHORS



REDI-ANCHORS



DECATUR ENGINEERING COMPANY

DECO ANCHORS ARE THE MODERN, FOOL-PROOF, TIME-SAVING METHOD OF

WHAT THE DECO ANCHOR IS

DECO anchors are mounted **FLUSH** with the floor—**ADJUSTABLE** stud is **FREE TO MOVE** in all directions to correct minor setting errors—**STRONG, STABLE DECO ANCHORS** are **EASY TO SET** without templates in many applications.

1. **FLOATING UNIT** inside **DECO** anchor is threaded to receive fastening stud of proper length, can be adjusted in all directions.
2. **FLUSH DECO** anchor is malleable iron with strength greater than the hook bolt or stud.
3. Hook bolt is bedded in concrete. Its poured-in-place stability is far greater than other methods.

HOW THE DECO ANCHOR WORKS

The **DECO ANCHOR** (2) is embedded flush with the finished concrete surface and anchored there firmly with a bolt. (3). After the machine or column has been rolled into position, the studs are screwed into the "floating" nut. To secure the machine on the **DECO ANCHOR** a nut and washer are run down the fastening stud (1).

advantages

Easy Installation . . . Machinery is simply pushed or rolled into position. Threads can't be damaged. No need to hoist and lower machine or column over permanent projecting bolts.

Easy Leveling . . . With **DECO ANCHORS** you level with shims, not with troublesome grout.

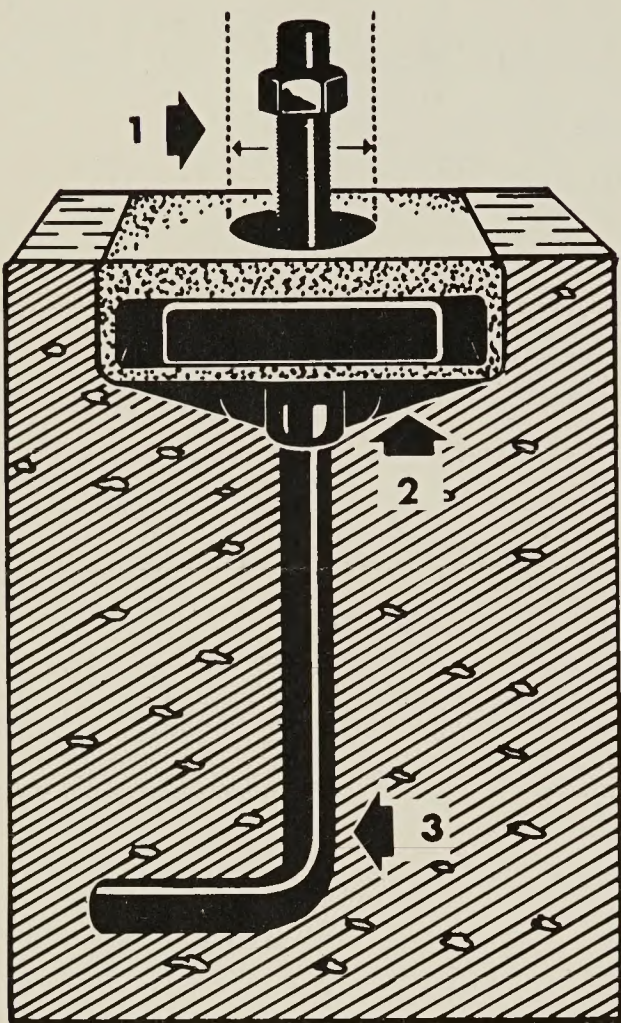
Safety and Convenience . . . Floor area is free for storage and traffic when anchors are not in use. Washers supplied keep out dirt and concrete. No projecting bolts to cause damage to equipment or injury to personnel.

Adjustability . . . The fastening stud can be moved far enough in any direction to correct any minor error in initial setting. No need to tear up and reinstall misplaced bolts.

Strength and Stability . . . **DECO ANCHOR** is strong; it's cast from malleable iron and considerably stronger than its companion bolts. **DECO ANCHOR** is "poured-in-place" and provides a firm foundation for your machinery or column.

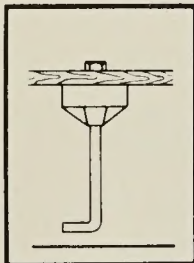
Installation Time Cut . . . Faster positioning of machinery over a flush floor . . . faster, easier leveling . . . adjustable studs that can't be damaged when machinery is put in position . . . all help to reduce installation time and costs. The job is accomplished with ordinary, non-hazardous tools that are readily available everywhere.

Wide Range of Sizes . . . **DECO ANCHORS** are available with bolt sizes from 1/2" to 2".



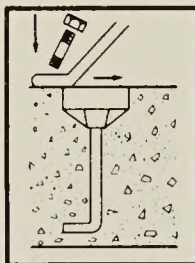
Patent Pending

Support anchor when concrete is poured



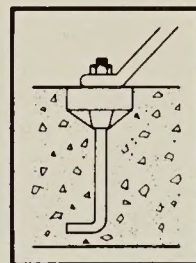
Simple wood support, standard cap screw, and temporary fiber centering washer hold anchor in position while concrete is poured. No precise template needed; floating nut and mating stud can be moved in any direction to correct for minor setting errors. Cap screw and wooden support are removed, solid protective washer inserted to keep out concrete while surface is floated and trowled.

Roll Machine into place



After floor surface hardens, temporary washers remain in place to keep out dirt and protect the floating nut. Machine is easily rolled into place. Studs are easily inserted and turned firmly into the floating nuts without special tools and without delay, even though minor deviations should show up between bolt hole centerlines.

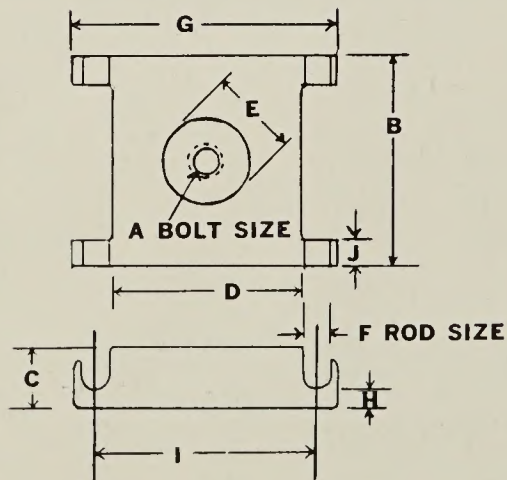
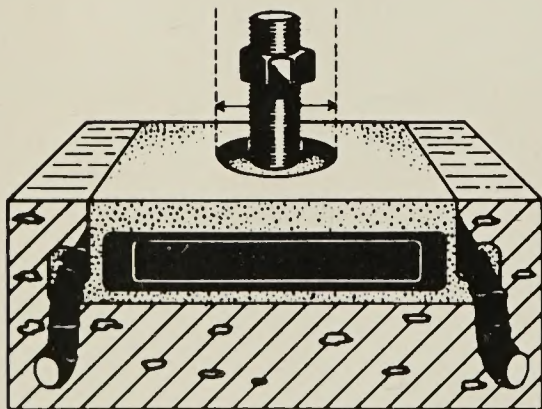
Insert stud and install nut



DECO shims are easily inserted under the machine to level it in all directions. The even surface of the malleable iron **DECO ANCHOR** makes this critical step easier.

Nut and washer are run down over the stud to tie the machine to the firmly embedded anchor.

DECO THIN SLAB ANCHORS



DIMENSIONS (Inches)

A	B	C	D	E	F	G	H	I	J
1/2-13	3 3/4	1 1/4	3 1/4	1 3/8	3/8	4 3/4	1/16	4	3/8
5/8-11	4 3/4	1 3/8	4 5/16	2	1/2	6	1/2	5	1/16
3/4-10	4 3/4	1 3/8	4 5/16	2	1/2	6	1/2	5	1/16

The **DECO THIN SLAB** Anchor is a modification of the **DECO** anchor to allow its use in thin sections which do not permit the use of the usual anchor bolts—such as prestressed or precast wall or floor sections. Hooks on the sides of the anchor receive standard reinforcing bars which may be formed to distribute the load over any desired area.

The same fiber centering washer and closing plug are supplied as with the anchor-bolt-type **DECO**.

The anchor body is cast from high strength malleable iron. Available in 1/2", 5/8", and 3/4" sizes.

ANCHORING MACHINERY TO CONCRETE

PULL-OUT STRENGTH

The pull-out strength of the hook bolt, embedded in the concrete when poured, is far greater than that of a straight stud set into the concrete **AFTER** it is poured. The strength of the malleable iron **HOUSING** exceeds that of either the stud or the hook bolt and no special calculations are necessary. Standard methods of calculating anchor bolts are used.

SPECIFICATIONS

Installation of Machinery Anchors

a) Where concrete inserts are indicated for anchoring machinery or equipment, locate DECO anchors (Decatur Engineering Co.) in accordance with shop drawings to be furnished.

b) Suspend DECO anchor with hooked bolt from wooden support with cap screws and centering washer. Obtain approval of their locations in ample time to permit pouring of concrete as scheduled. If floor is waterproofed, embedded end of hooked bolts shall not pierce waterproofing.

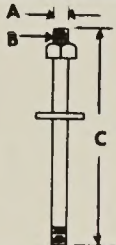
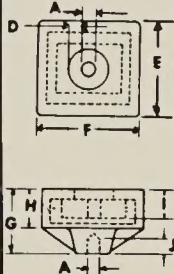
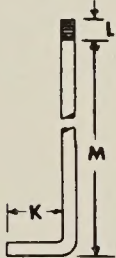
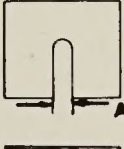
c) Hook end of all bolts shall be embedded at least .. inches and shall be one inch shorter than the concrete thickness at the point where embedded.

d) After leveling, but before using a wood float or trowel, cap screws, centering washers and wooden supports shall be removed. Temporary solid washer shall be inserted in holes to keep out dirt.

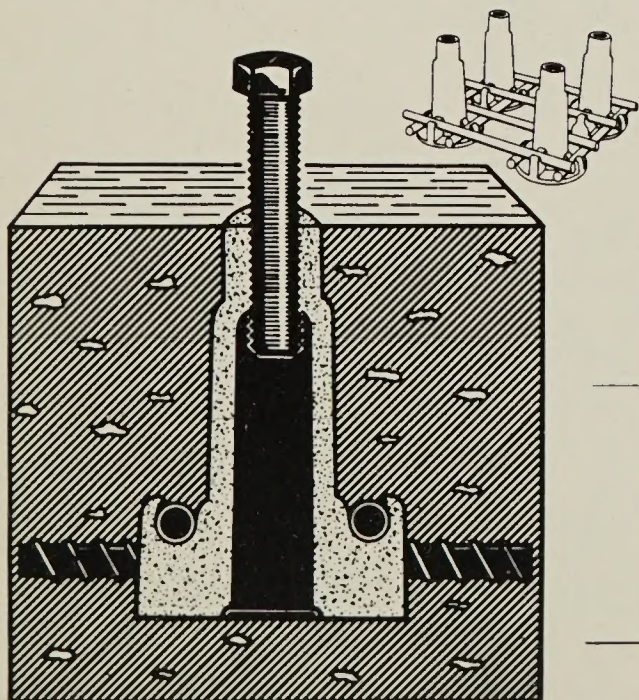
Installation of Machinery

a) Floor shall be swept clean. Temporary solid washer shall be removed just before machine is set in place over the floor anchors. Studs shall be inserted and firmly turned into the floating nut. DECO shims, if required, shall be inserted to level machine. Tie down nuts and washers shall be run down tightly.

DIMENSIONS (Inches)

	DIAMETER OF STUD & BOLT	A	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 1/4"	1 1/2"	1 3/4"	2"	
	THREADS, NO. PER INCH	B	13	11	10	9	8	7	7	6	5	4 1/2	
FASTENING STUD with 1 nut and washer		C	2 1/2	3	3	3 1/2	3 1/2	4	4	5	5 1/2	6	To determine C, add dimension I to desired height above floor.
			to 8 1/2	to 9	to 9 1/2	to 10	to 10 1/2	to 11	to 12	to 12	to 16	to 18	
			inclusive . . . in 1/2 inch increments										
ANCHOR		D*	3/8	5/8	5/8	13/16	3/4	1 1/16	1	1	7/8	3/4	*Based on dead center adjustment.
		E	3 1/4	4 1/4	4 1/4	4 7/8	4 7/8	6 1/8	6 1/8	7 3/8	8 1/4	8 1/4	
		F	3 3/4	4 3/4	4 3/4	5 1/2	5 1/2	7 1/8	7 1/8	8 3/8	9 1/2	9 1/2	
		G	2 1/4	2 3/8	2 3/8	3 15/16	3 15/16	4 1/4	4 1/4	4 5/8	5 1/2	6	
		H	1 3/16	1 5/16	1 5/16	1 7/8	1 7/8	2 3/8	2 3/8	2 5/8	3	3 3/8	
		I	7/8	1 1/8	1 1/8	1 5/8	1 5/8	2	2	2 1/4	2 5/8	3	
		J	1	1 1/4	1 1/4	1 3/4	1 3/4	1 7/8	1 7/8	2	2 1/2	2 9/16	
ANCHOR BOLT		K	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	4	5	6	Made from C1018 special bar quality hot rolled steel.
		L	3/4	1	1	1 1/2	1 1/2	1 5/8	1 5/8	1 7/8	2 1/2	2 3/4	
		M	length to specifications										
SHIMS		Sold in packages of approximately 1/4" accumulated thickness. Individual shims range in thickness from .010 to .078 in each package. Order by anchor bolt size.											

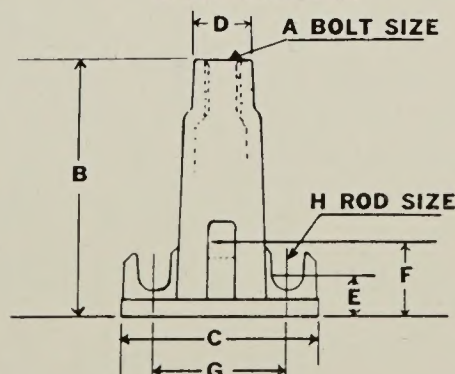
REDI-ANCHORS



Specially designed for bridge railings, building columns, lamp posts, sign posts, and other applications where an adjustable anchor bolt is NOT required. Slots receive standard reinforcing bars. Projections on slots may be bent over reinforcing bars to create a rigid assembly while pouring concrete, and bars may be formed to obtain any desired depth or spread of anchorage. Columns or posts can be installed with studs and nuts arranged for setting the post to exact elevation and plumb.

A plastic closing plug is furnished with each **REDI-ANCHOR** to prevent entry of foreign matter previous to use.

Available in 1/2", 5/8", 3/4", 7/8", and 1" sizes as **INDIVIDUAL UNITS OR ASSEMBLED TO SPECIFICATIONS.**



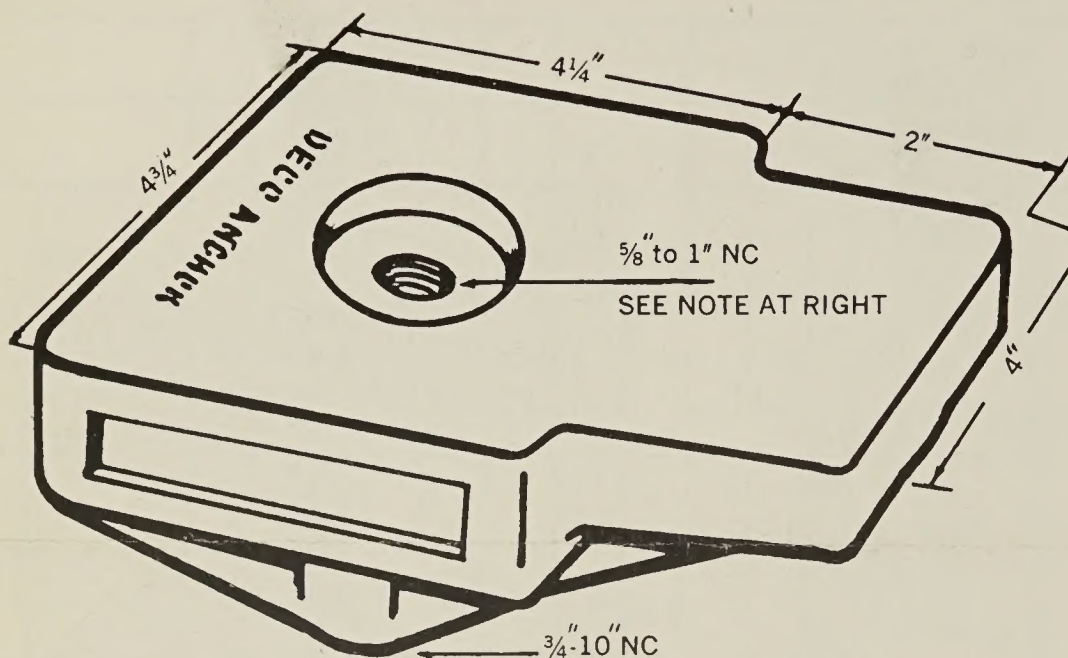
DIMENSIONS (Inches)

A	1/2-13	5/8-11	3/4-10	7/8-9	1-8
B	3 1/2	4 1/8	4 3/4	5 3/8	6
C	2 5/8	2 7/8	3 5/16	3 3/8	4
D	1 3/16	1	1 3/16	1 3/8	1 5/8
E	1 9/32	1 9/32	1 9/32	1 1/16	1 1/16
F	1 1/32	1 1/32	1 1/32	1 1/4	1 1/4
G	1 13/16	2 1/8	2 1/2	2 3/4	2 7/8
H	3/8	3/8	3/8	1/2	1/2

NEW CLASSICS AT 4508 D34 197-7

DECO[®] ANCHORS

SPECIAL ANCHOR DEVICE



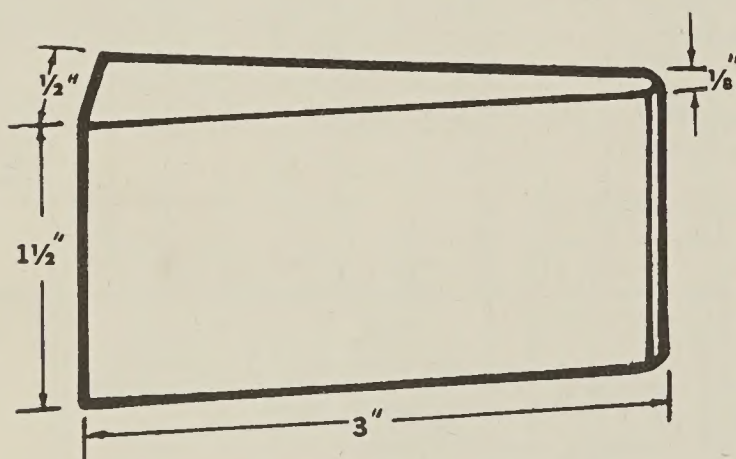
The special anchor with lip, illustrated here, was designed for leveling machine tools fitted with a leveling screw beside the anchor bolt. The projecting lip provides a firm support for the leveling screw.

Available with $\frac{5}{8}$ "- $\frac{3}{4}$ "- $\frac{7}{8}$ " and 1" floating nut. The base is threaded for $\frac{3}{4}$ " NC anchor bolts.

Any size DECO anchor can be supplied with steel leveling plate welded to the top surface to accommodate leveling screws as required.

For further information call us COLLECT.

MALLEABLE LEVELING WEDGES



DECO leveling wedges are cast from high strength malleable iron and designed for use in leveling and plumbing equipment that is to be grouted to the foundations.

CLOSING PLUGS

For installations where an anchor is intermittently used, such as test floors, **MALLEABLE IRON PLUGS** are available to close the opening in the top of the DECO anchor and provide a perfectly smooth surface when not in use.

PARTIAL LIST OF USERS OF DECO ANCHOR BOLT FITTINGS

Aerojet-General Corp.
Allis-Chalmers Manufacturing Co.
Aluminum Company of America
The Babcock & Wilcox Co.
Borden Chemical Company
Chrysler Corporation
Combustion Engineering, Inc.
Continental Motors Corp.

John Deere Des Moines Works
DeVlieg Machine Co.
El Paso Natural Gas Co.
Ex-Cell-O Corporation
Ford Motor Company
Fairbanks, Morse & Company
General Electric Company
General Motors Corp.

Harnischfeger Corporation
IBM Corporation
International Harvester Company
Kearney & Trecker Corp.
Koppers Co., Inc.
Monsanto Chemical Co.
Niagara Mohawk Power Corp.
Pennsalt Chemical Co.

Revere Copper and Brass, Inc.
Shell Oil Company
Sundstrand Aviation Div.
Timken Roller Bearing Co.
U.S. Steel Corporation
University of Illinois
Warner & Swasey Co.
Westinghouse Electric Co.

DECO anchoring devices are sold direct—we invite your inquiry.

DECATUR ENGINEERING COMPANY

519 EAST WILLIAM STREET P.O. BOX 643 DECATUR, ILLINOIS 62525

Area Code 217 428-4991